

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

07/15/2011

Nicole Cordeiro  
Assistant District Attorney, Suffolk County

Dear ADA Cordeiro,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Stacey Feiden.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Stacey Feiden was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan", followed by a horizontal line.

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## Curriculum Vitae

Annie Khan (Dookhan)

### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# Stacey Lyn Desjardins

stacey.feiden@state.ma.us

## EDUCATION

### Master of Science—Forensic Science

University of New Haven; West Haven, Connecticut

May 2006

- Concentration: Criminalistics
- Certificate: Advanced Investigation

### Bachelor of Arts—Chemistry

Monmouth College; Monmouth, Illinois

May 2004

- Graduated Cum Laude

## EXPERIENCE

### Chemist I

Massachusetts Department of Public Health; Jamaica Plain, Massachusetts

March 2009-present

- Analyze unknown substances submitted by Massachusetts Law Enforcement Agencies
- Operate, maintain, and interpret data from analytical equipment (Gas Chromatograph, analytical balance, microscope, Ultraviolet Spectrometer, Infrared Spectrometer)
- Provide expert testimony to local, state, and federal courts in Massachusetts

### Teaching/Graduate Assistant

Monmouth College Chemistry Department

University of New Haven Forensic Science Department

January 2001-May 2006

- Supervised labs and answered student questions
- Performed demonstrations using forensic techniques and chemicals

Additional work experience and references available upon request

## TRAINING

2010: DEA Forensic Chemist Seminar—Washington DC

2009: Multijurisdictional Counterdrug Task Force Training on Current Drug Trends

2009: Six week training with Senior Staff at the Massachusetts Department of Public Health Drug Analysis Laboratory—appointed Assistant Analyst

2005: Internship with the New Hampshire State Crime Lab

## COURSEWORK

Biomedical Methods of Forensic Science, Criminal Procedure, Forensic Microscopy, Advanced Criminalistics I and II, Forensic Toxicology, Advanced Investigation I and II, Physical Analysis in Forensic Science, Organic Chemistry I and II, General Chemistry, Analytical Chemistry I and II, Physical Chemistry I, II, and III, Biochemistry, Advanced Inorganic Chemistry

**DRUG RECEIPT**

CC #

BOOK #

PAGE #

DESTRUCTION #

District/Unit

Name &amp; Rank of Arresting Officer

ID#

DEFENDANT'S NAME

ADDRESS

CITY

STATE

Boston

MA

Boston

MA

## LAB USE ONLY

DESCRIPTION OF ITEMS SUBMITTED

GROSS  
QUANTITYGROSS  
WEIGHTANALYSIS  
NUMBER

Tan Powder (Heroin)

2 plb's

4.28g

Orange Tablets (Suboxone)

4 pills

5.52g

To be completed by ECU personnel only

Name and Rank of Submitting Officer

ID#

Received by

Date

ECU Control #

No. [REDACTED]

Date Analyzed: 10-28-10

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 08/19/2010

No. Analyzed: 1

Gross Wt.: 4.28✓

Net Weight: 0.07g

# Tests: 4 SLD

2 ASD

Prelim: heroin

Findings: Heroin

# DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

SLD

No. of samples tested: 1Evidence Wt. ✓PHYSICAL DESCRIPTION:

- signed & sealed  
- light brown powdery  
substance in 2 double-bagged  
pbs

Gross Wt (2):

0.2658g

Gross Wt (1):

0.1790g

Pkg. Wt:

0.1048g

Net Wt:

0.0742g

PRELIMINARY TESTSSpot TestsCobalt  
Thiocyanate ( )

⊕

Marquis

⊕

Froehde's

⊕

Mecke's

⊕

Microcrystalline TestsGold  
Chloride

TLTA ( )

OTHER TESTSPRELIMINARY TEST RESULTS

RESULTS

heroin

DATE

10-25-10

GC/MS CONFIRMATORY TEST

RESULTS

heroin

MS  
OPERATOR

ASD

DATE

10-28-10

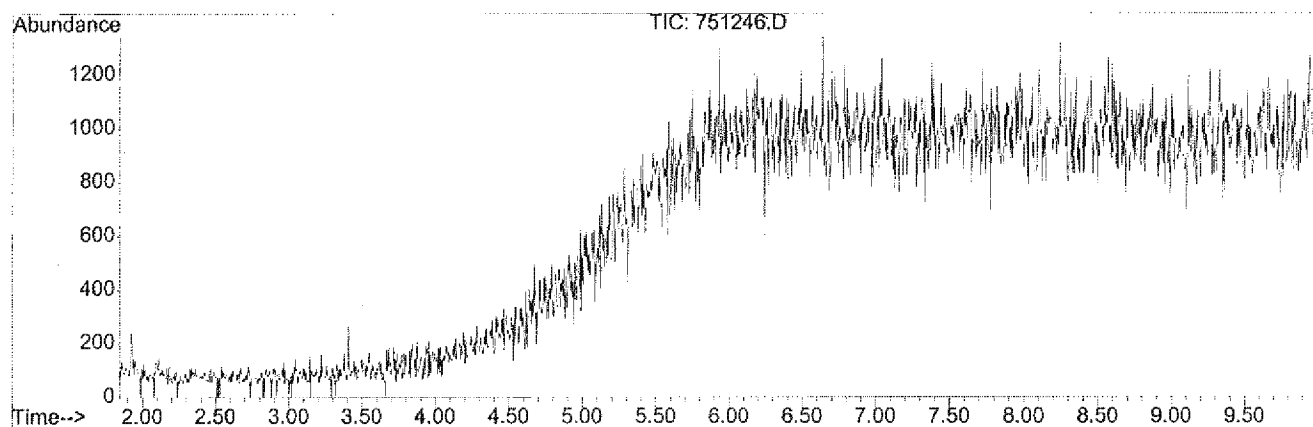
# Area Percent / Library Search Report

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File Name : F:\Q4-2010\SYSTEM4\10\_27\_10\751246.D  
Operator : ASD  
Date Acquired : 27 Oct 2010 19:17  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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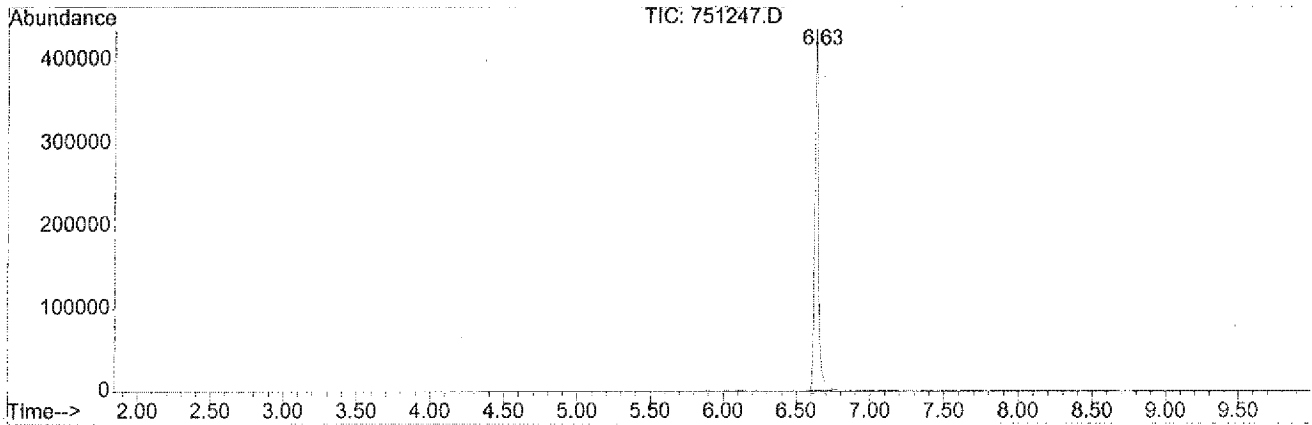
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10\_27\_10\751247.D  
 Operator : ASD  
 Date Acquired : 27 Oct 2010 19:31  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 47  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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# Area Percent / Library Search Report

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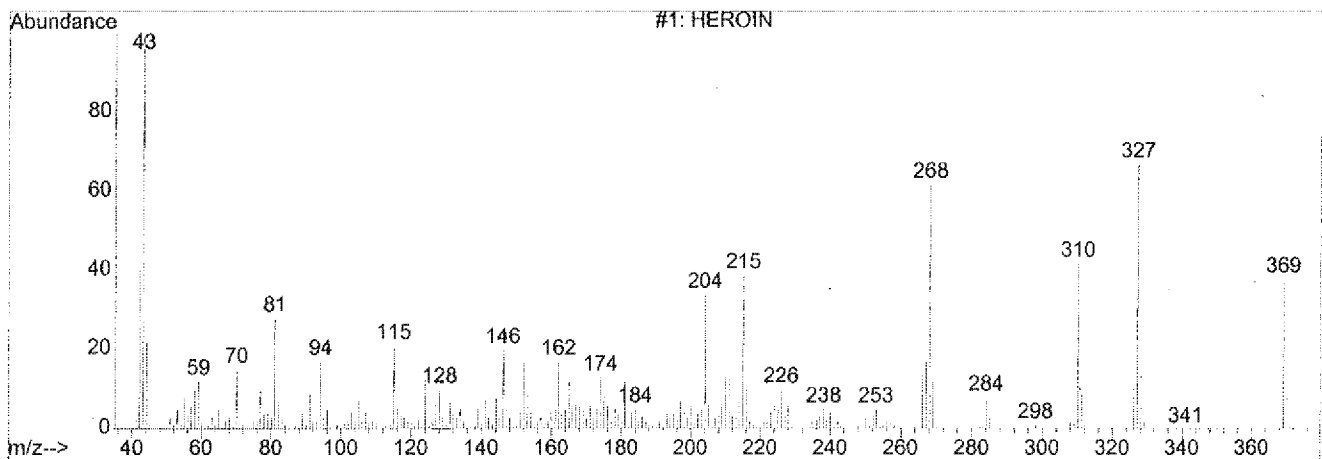
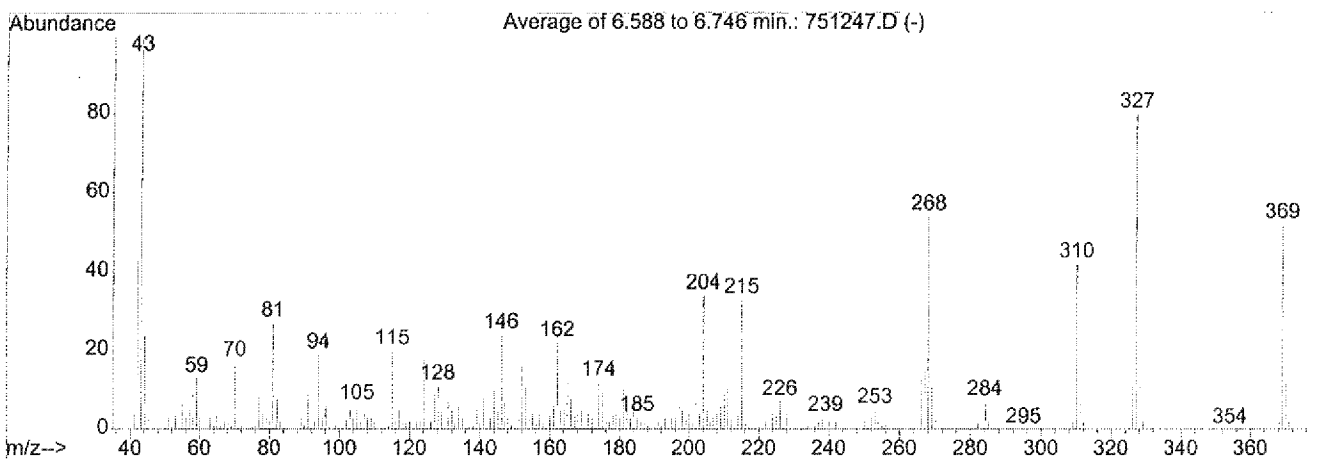
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Operator        : ASD
Date Acquired   : 27 Oct 2010  19:31
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 47
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.63	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



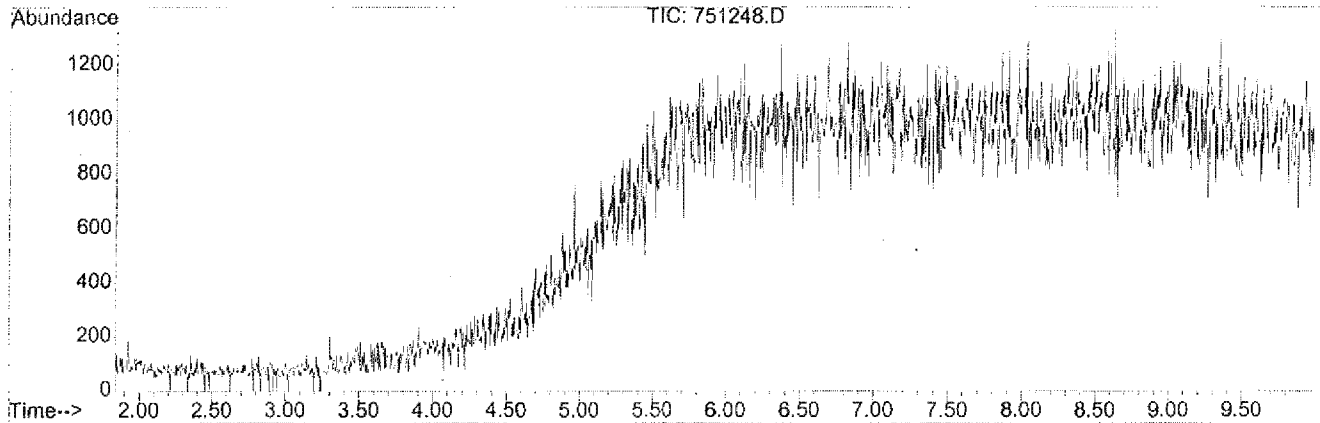
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 27 Oct 2010 19:44  
Sample Name : BLANK  
Submitted by : NEM  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

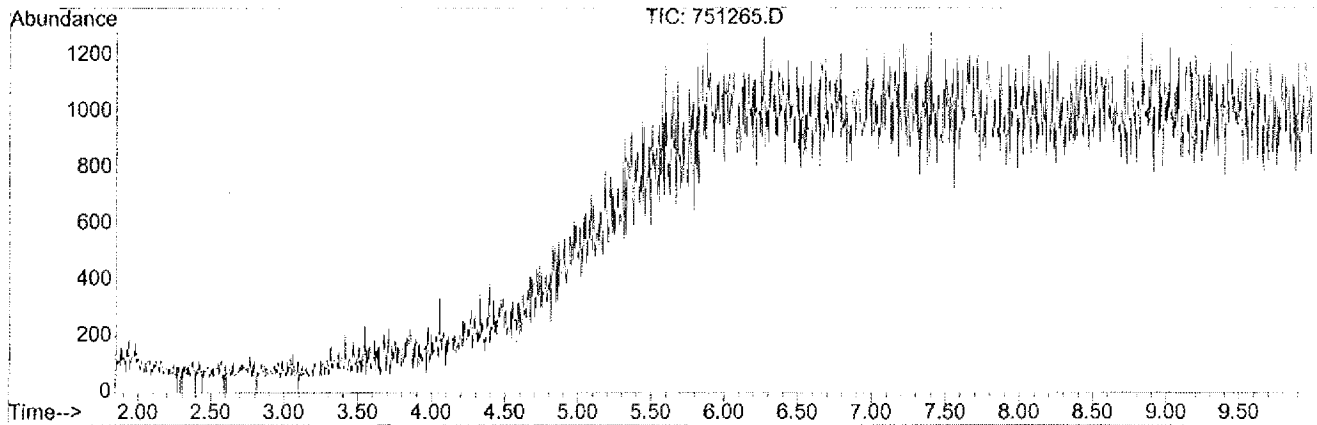
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10\_27\_10\751265.D  
Operator : ASD  
Date Acquired : 27 Oct 2010 23:35  
Sample Name : BLANK  
Submitted by : SLD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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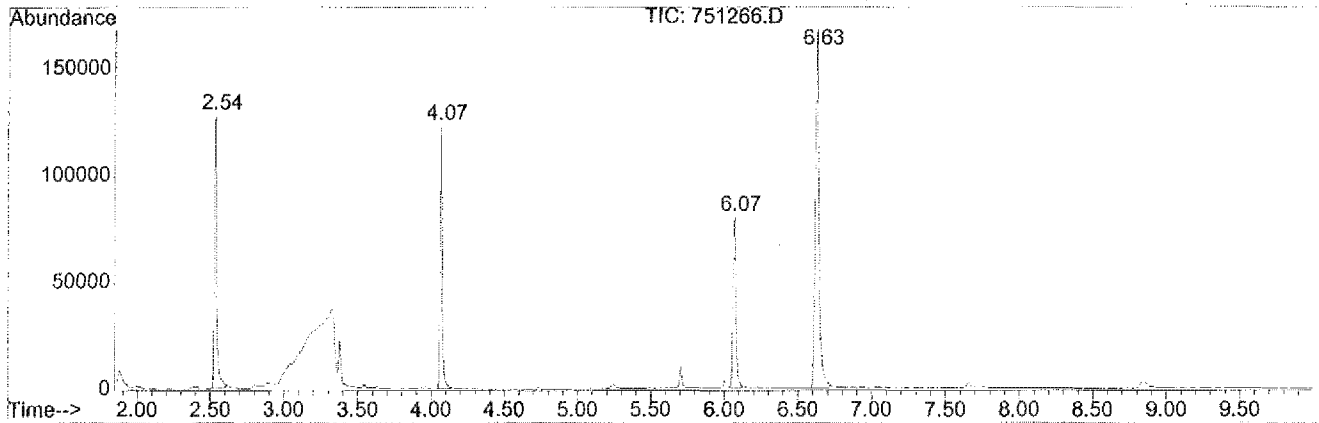
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10\_27\_10\751266.D  
Operator : ASD  
Date Acquired : 27 Oct 2010 23:49  
Sample Name : XXXXXXXXXX  
Submitted by : SLD  
Vial Number : 66  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.537	136553	20.56	46.82
4.066	124440	18.74	42.66
6.070	111451	16.78	38.21
6.625	291675	43.92	100.00

# Area Percent / Library Search Report

**Information from Data File:**

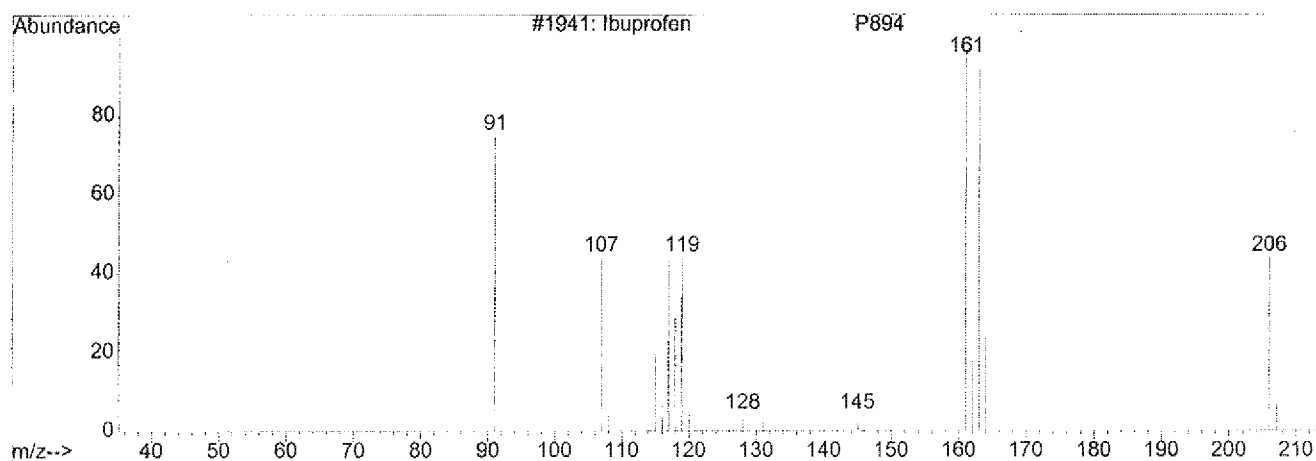
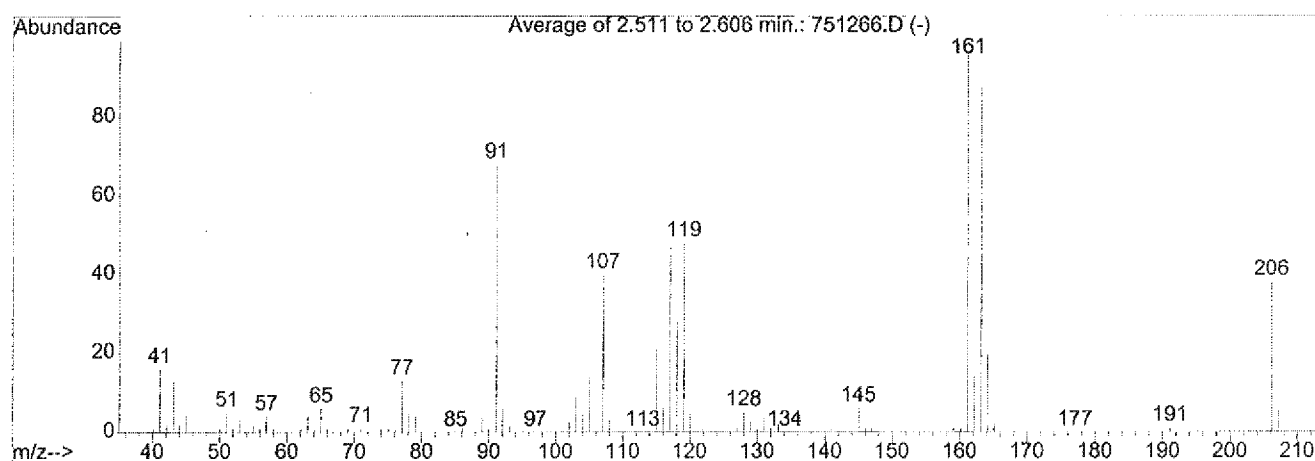
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File Name       : F:\Q4-2010\SYSTEM4\10_27_10\751266.D
Operator        : ASD
Date Acquired   : 27 Oct 2010  23:49
Sample Name     : ██████████
Submitted by    : SLD
Vial Number     : 66
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.54	C:\DATABASE\PMW_TOX2.L		
		Ibuprofen	015687-27-1	99
		3,4-Dichloroaniline	@ 000095-76-1	25
		2,3-Dichloroaniline	000608-27-5	17



# Area Percent / Library Search Report

**Information from Data File:**

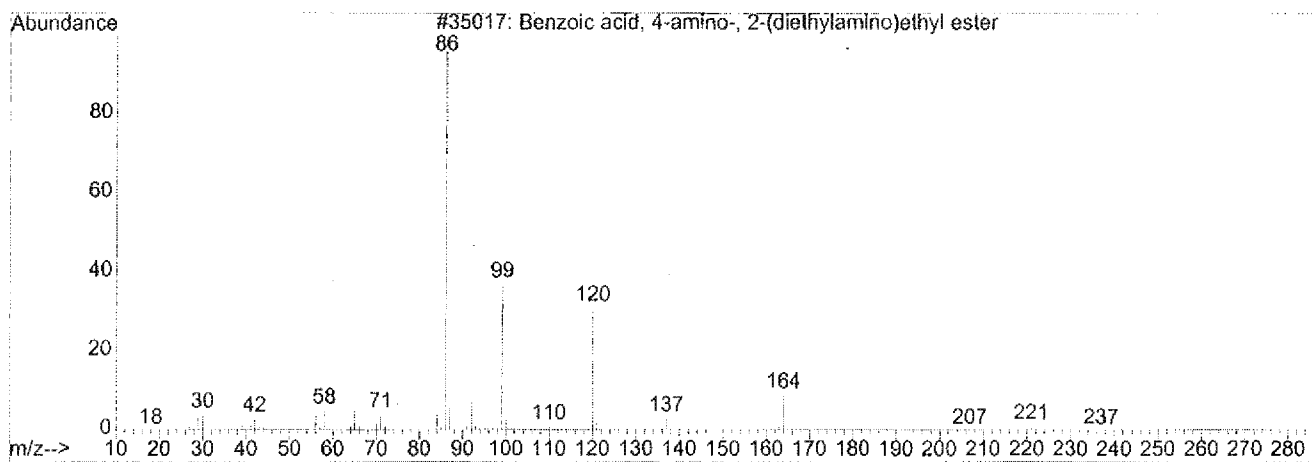
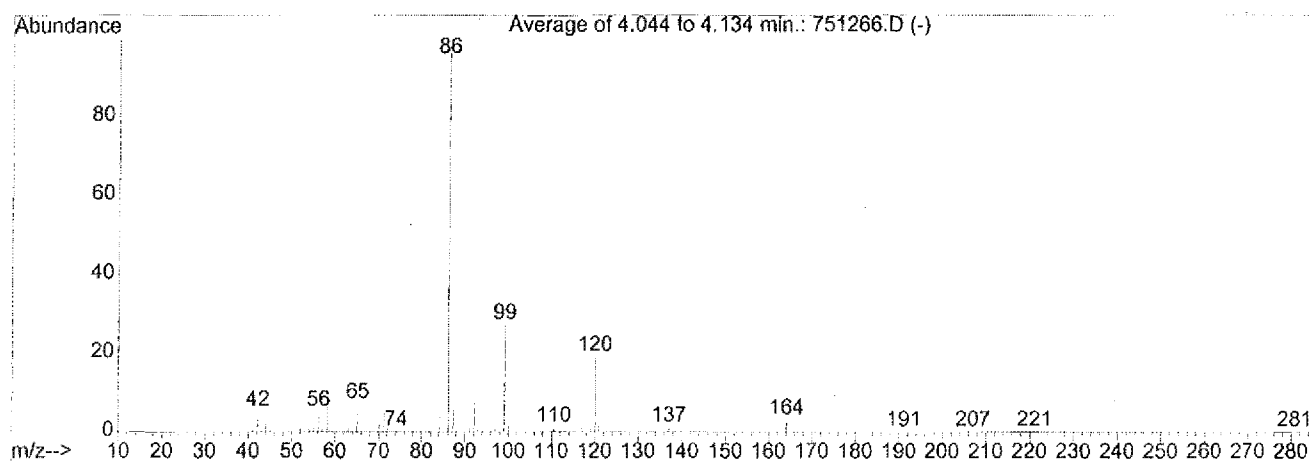
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File Name       : F:\Q4-2010\SYSTEM4\10_27_10\751266.D
Operator        : ASD
Date Acquired   : 27 Oct 2010  23:49
Sample Name     : ██████████
Submitted by    : SLD
Vial Number     : 66
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	4.07	C:\DATABASE\NIST98.L		
		Benzoic acid, 4-amino-, 2-(diethyla	000059-46-1	90
		Benzamide, 4-amino-N-[2-(diethylami	000051-06-9	83
		Benzamide, 4-amino-N-[2-(diethylami	000051-06-9	83



# Area Percent / Library Search Report

**Information from Data File:**

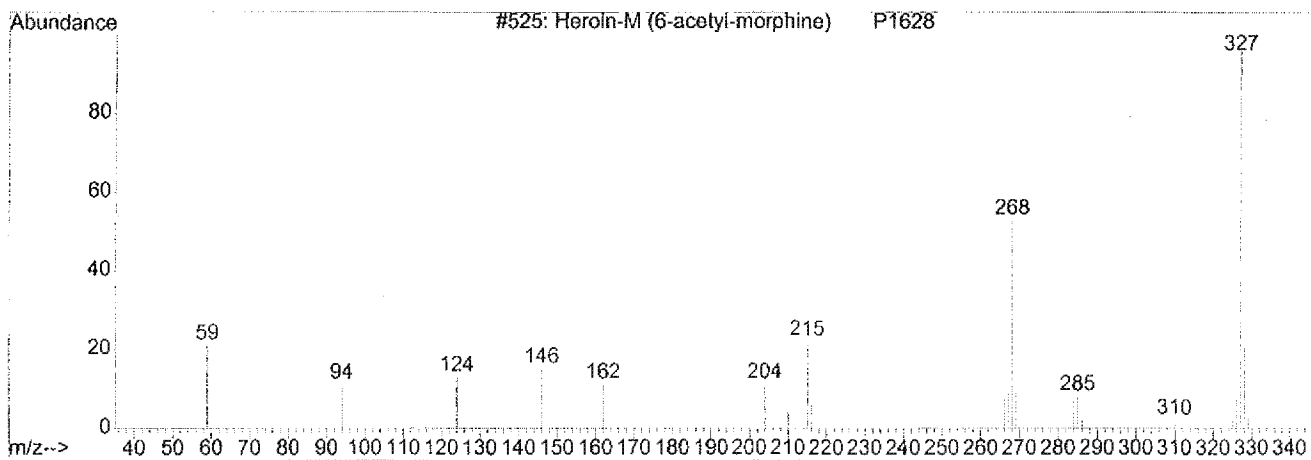
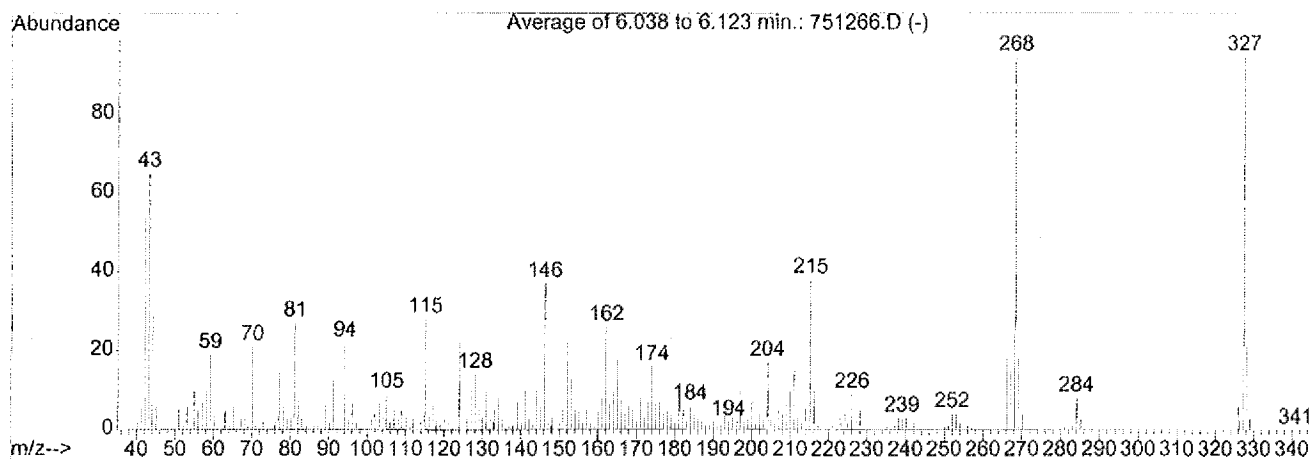
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File Name       : F:\Q4-2010\SYSTEM4\10_27_10\751266.D
Operator        : ASD
Date Acquired   : 27 Oct 2010   23:49
Sample Name     : ██████████
Submitted by    : SLD
Vial Number     : 66
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	6.07	C:\DATABASE\PMW_TOX2.L		
		Heroin-M (6-acetyl-morphine)	059833-14-6	93
		Chlorprothixene-M isomer-2 AC	000000-00-0	10
		Naloxone AC	000000-00-0	10



# Area Percent / Library Search Report

**Information from Data File:**

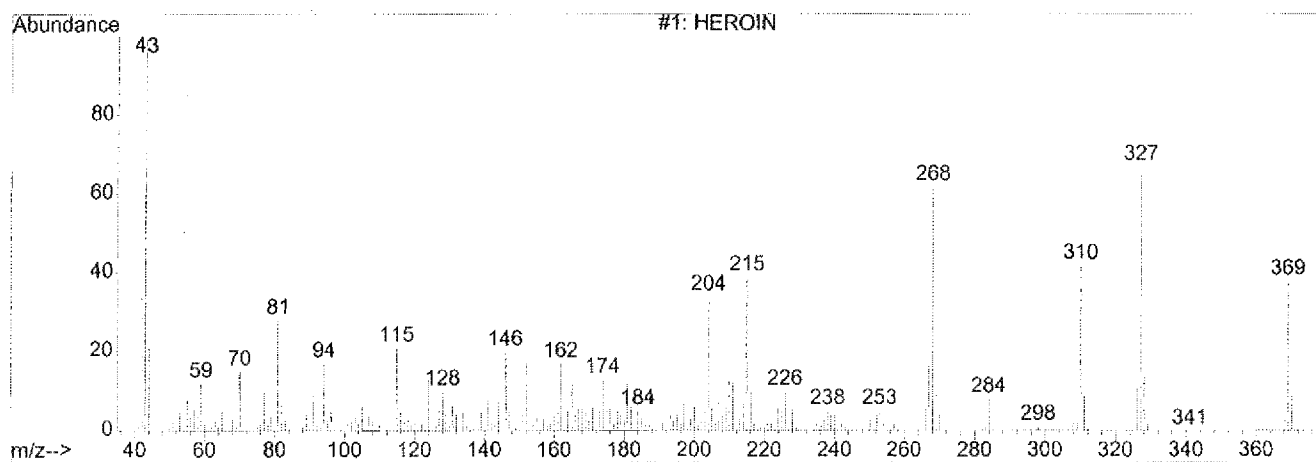
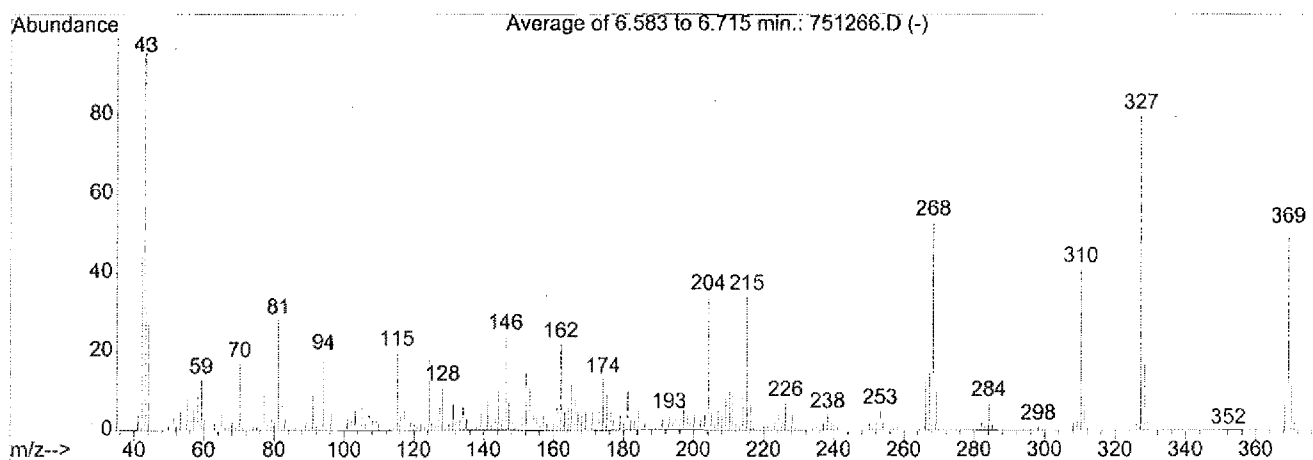
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File Name       : F:\Q4-2010\SYSTEM4\10_27_10\751266.D
Operator        : ASD
Date Acquired   : 27 Oct 2010  23:49
Sample Name     : ██████████
Submitted by    : SLD
Vial Number     : 66
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
4	6.63	C:\DATABASE\SLI.L HEROIN	000561-27-3	99





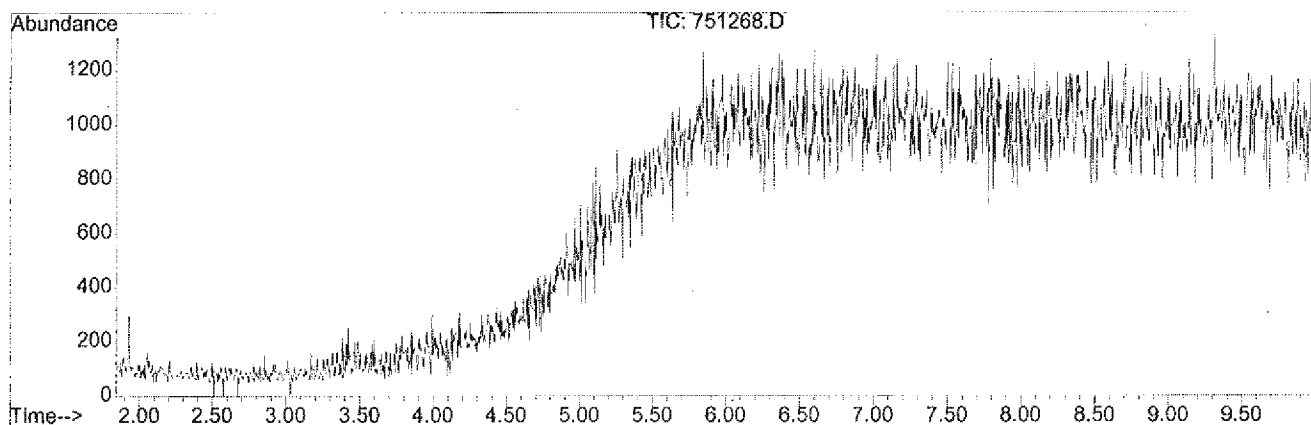
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10\_27\_10\751268.D  
Operator : ASD  
Date Acquired : 28 Oct 2010 00:16  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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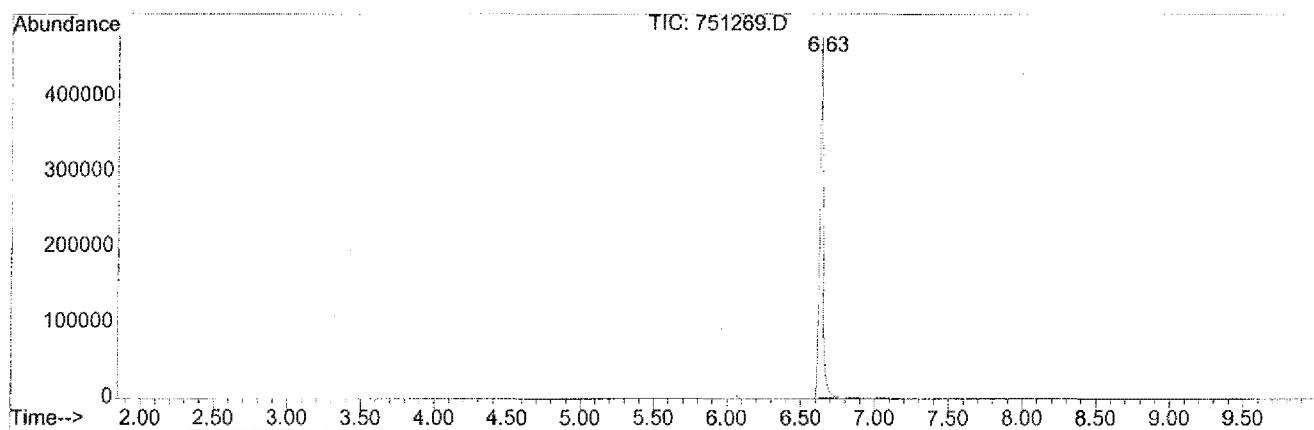
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10\_27\_10\751269.D  
 Operator : ASD  
 Date Acquired : 28 Oct 2010 00:29  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 69  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.629	806037	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

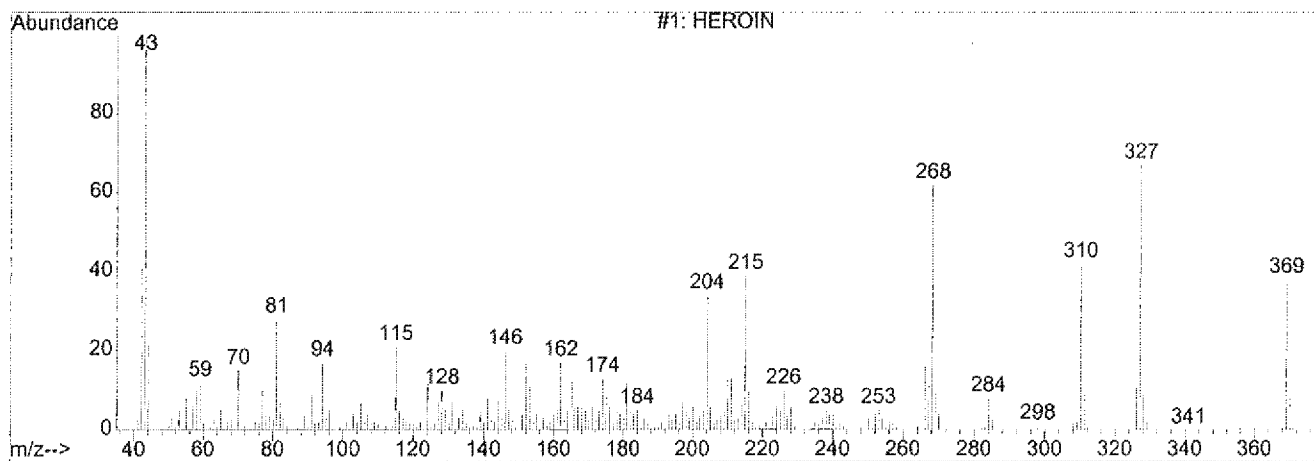
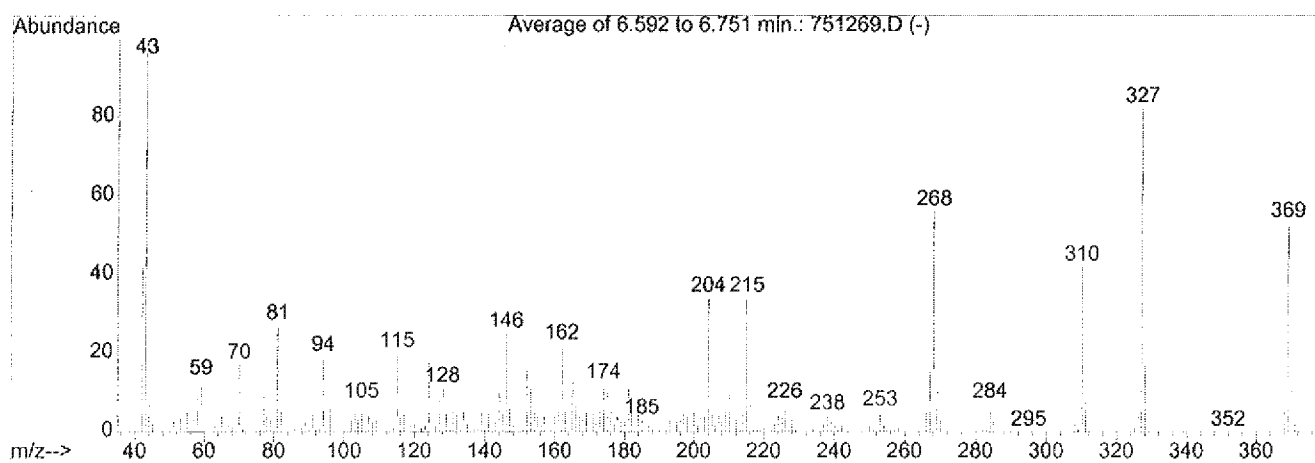
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File Name       : F:\Q4-2010\SYSTEM4\10_27_10\751269.D
Operator        : ASD
Date Acquired   : 28 Oct 2010   00:29
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 69
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.63	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



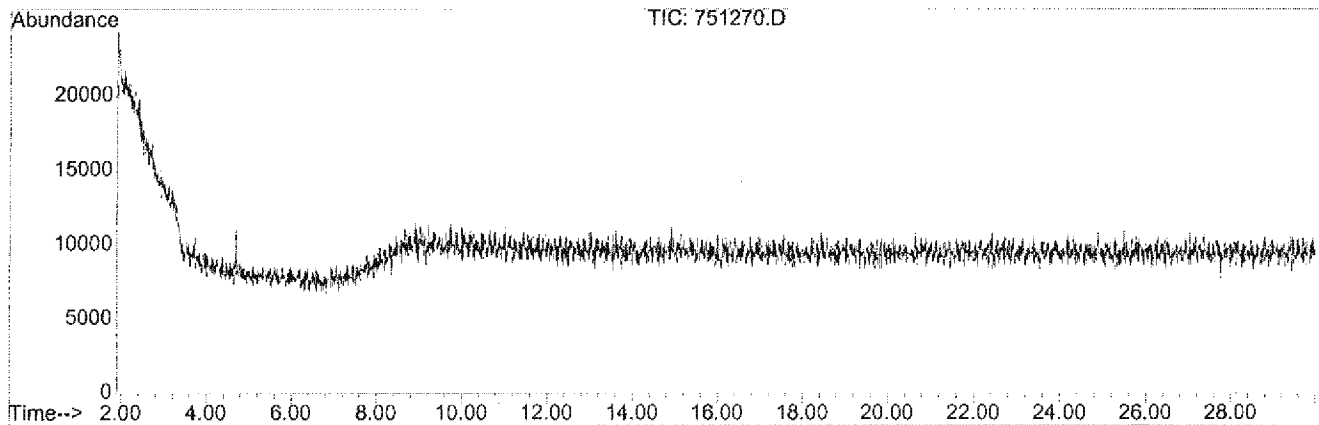
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\10\_27\_10\751270.D  
Operator : ASD  
Date Acquired : 28 Oct 2010 00:43  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*